

Diagnosis and Treatment of Vascular Disease

ABSTRACT

5 The present invention is based at least in part on the discovery of polymorphisms
within the Factor 2 (F2) gene. Accordingly, the invention provides nucleic acid molecules
having a nucleotide sequence of an allelic variant of an F2 gene. The invention also provides
methods for identifying specific alleles of polymorphic regions of an F2 gene, methods for
determining whether a subject has or is at risk of developing a disease which is associated
with a specific allele of a polymorphic region of an F2 gene, *e.g.*, a vascular disease, based
10 on detection of one or more polymorphisms within the F2 gene, and kits for performing such
methods. The invention further provides methods for identifying a subject who has, or is at
risk for developing, a vascular disease or disorder as a candidate for a particular clinical
course of therapy or a particular diagnostic evaluation. The invention further provides
methods for selecting a clinical course of therapy or a diagnostic evaluation to treat a subject
15 who is at risk for developing, a vascular disease or disorder.